Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-28-89** **Date: 05-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	03-07-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.46	–
2	Finess by Air permeablity method (m^2/kg,Min)	255.8	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	280 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Note:

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-28-89** **Date: 31-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	03-07-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	57.0N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-28-89** **Date: 05-07-19**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	02-07-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	234	234	1.6	98.4	90-100
3	20 mm	5334	5568	37.1	62.9	30-70
4	10 mm	4788	10356	69.0	31.0	10-35
5	4.75 mm	4354	14710	98.1	1.9	0-5
6	Pan	290	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-28-89** **Date: 04-07-19**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	02-07-19

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SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	245	245	4.9	95.1	90-100
3	10 mm	2675	2920	58.4	41.6	25-55
4	4.75 mm	1798	4718	94.4	5.6	0-10
5	Pan	282	5000	100	0	–

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2019-08-28-89** **Date: 04-07-19**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	02-07-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	28	28	2.8	97.2	90-100	90-100	90-100	95-100
3	2.36 mm	45	73	7.3	92.7	60-95	75-100	85-100	95-100
4	1.18 mm	228	301	30.1	69.9	30-70	55-90	75-100	90-100
5	600 micron	200	501	50.1	49.9	15-34	35-59	60-79	80-100
6	300 micron	202	703	70.3	29.7	5-20	8-30	12-40	15-50
7	150 micron	198	901	90.1	9.9	0-10	0-10	0-10	0-15
8	Pan	99	1000	100.0	0.0	---	---	---	---
Result :The tested Sample Conforms to Grading Zone II									

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-08-28-89** **Date: 08-07-19**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	06-07-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	06-07-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2019-08-28-89** **Date: 13-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-07-19
Sample Type /Size	:	Precast Cover Slab(100 mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	09/07/2019

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-08-28-89 **Date: 23/07/2019**

Customer : Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.

Agency : Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.

Customer's Reference : EE(YNK.D)E-PMT-01/W.O/33/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-07-19

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	150.24 X 150.04 X 150.99	22543	8.902	424.7	18.8	18.8
2	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	151.11 X 149.84 X 151.66	22643	8.554	425.7	18.8	
3	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	149.55 X 149.52 X 150.34	22361	8.125	419.4	18.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-08-28-89 **Date: 23/07/2019**

Customer : Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.

Agency : Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.

Customer's Reference : EE(YNK.D)E-PMT-01/W.O/33/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-07-19

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	149.01 X 149.83 X 150.29	22326	8.902	422 9	18.9	18.7
2	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	149.24 X 151.17 X 150.56	22562	8.554	420.4	18.6	
3	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	149.89 X 151.73 X 149.62	22743	8.125	418.4	18.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-28-89** **Date: 29/07/2019**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	22/07/2019	29/07/2019	150.60 X 149.75 X 149.31	22552	8.902	410.3	18.2	18.3
2	Drain Side Wall Concrete	M20	22/07/2019	29/07/2019	150.97 X 150.31 X 151.16	22693	8.554	413.6	18.2	
3	Drain Side Wall Concrete	M20	22/07/2019	29/07/2019	149.26 X 149.22 X 150.31	22273	8.125	410.9	18.4	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-28-89** **Date: 24/07/2019**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	150.89 X 150.28 X 150.66	22675	8.219	578.0	25.5	25.6
2	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	150.60 X 150.97 X 149.40	22736	8.349	601.5	26.5	
3	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	149.86 X 149.70 X 150.26	22434	8.898	559.7	24.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-28-89** **Date: 24/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	149.58 X 149.07 X 150.75	22299	8.219	568.1	25.5	25.5
2	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	149.86 X 151.83 X 149.10	22752	8.349	602.3	26.5	
3	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	151.26 X 150.26 X 151.15	22727	8.898	559.2	24.6	

Note:
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Samples will be disposed after 90 days from the date of issue of test certificate

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CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL|
GEO TECHNICAL| PROJECT MANAGEMENT| SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2019-08-28-89 **Date: 24/07/2019**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	150.08 X 151.42 X 150.62	22726	8.219	576.3	25.4	25.7
2	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	151.90 X 149.72 X 151.19	22742	8.349	611.4	26.9	
3	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	150.56 X 149.51 X 150.62	22511	8.898	557.0	24.7	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-28-89** **Date: 24/07/2019**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	151.96 X 151.60 X 149.86	23037	8.219	594.3	25.8	25.4
2	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	151.69 X 150.55 X 150.88	22837	8.349	599.8	26.3	
3	Cement Concrete Pavement	M30	17/07/2019	24/07/2019	149.58 X 151.52 X 150.54	22665	8.898	550.4	24.3	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-28-89** **Date: 14/08/2019**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Kogilu Main Road to RV Kalyana Mantapa Road and Cross Roads in Kempegowda Ward No-01.
Agency	:	Sri.Shivakumar B V, No 1428, 3rd Cross, Near Post Office, Nehrunagara Yelahanka, Bangalore-560064.
Customer's Reference	:	EE(YNK.D)E-PMT-01/W.O/33/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	17/07/2019	14/08/2019	150.44 X 151.91 X 149.64	22852	8.321	764.0	33.4	32.9
2	Cement Concrete Pavement	M30	17/07/2019	14/08/2019	149.36 X 150.30 X 150.03	22448	8.258	720.4	32.1	
3	Cement Concrete Pavement	M30	17/07/2019	14/08/2019	151.26 X 149.21 X 151.36	22570	8.781	749.4	33.2	

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